LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 256

OLIVE OIL.

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OLIVE OIL.

OTTAWA, March 28, 1913.

WM. HIMSWORTH, Esq.,

Acting Deputy Minister, Inland Revenue.

SIR,—I beg to hand you a report upon thirty-six samples of Olive Oil, purchased in certain districts of Canada by our Inspectors, during December of last year and January of this year.

Definitions for Edible Vegetable Oils were legalized by Order in Council of March, 1912; and are published as Circular G. 1002.

28.
FOOD.

G. 1002.
10,000.

DEPARTMENT OF INLAND REVENUE.

OTTAWA, April 9, 1912.

MEMORANDUM.

Under the authority of an Order of His Royal Highness, in Council, bearing date the twenty-eighth day of March ultimo, and in virtue of the provisions of the twenty-sixth section of the "Adulteration Act," the following standards of quality have been established for "Edible Vegetable Oils":—

EDIBLE VEGETABLE OILS.

1. *Olive Oil, Sweet Oil*, is entirely a product of the fruit of the olive tree.
   Its specific gravity, at 15·5°C., is not less than 0·9140 nor more than 0·9196.
   Its specific refractive index, at 15·5°C., is not less than 1·4700 nor more than 1·4718.
   Its Maumene number lies between 42 and 52.
   Its iodine absorption number (using the Hubl solution) lies between 77°/₀ and 94°/₀.
   Its saponification number (Koettstorfer number) lies between 185·0 and 195·0.
   It does not contain above 3·5% of free fatty acids.

2. *Cotton seed oil* is the oil obtained from the seeds of cotton plants and subjected to refining processes. It is free from rancidity; has specific gravity, at 15·5°C., between 0·9216 and 0·9300; has a refractive index (at 25°C.) not less than 1·4700 and not more than 1·4725, and an iodine number not less than 104 nor more than 110 (Hubl solution).

3. *Salad oil.* Either of the above may be sold as salad oil; but when Cotton Seed Oil is offered as Salad Oil, the fact that the article is Cotton Seed Oil must be declared on the label.

4. Mixtures of *Cotton Seed Oil* with *Olive Oil* must be so declared on the label.

The standards above defined take effect on the 13th May proximo.

W. J. GERALD,
Deputy Minister.

Two samples of the present collection are found to be adulterated, as containing cotton seed oil.

The following synopsis of inspections of Olive Oil is instructive:—

Date.	Bulletin.	Total samples.	Percentage adulteration.
1889	67	75	40
1905	111	108	15
1908	159	82	19
1911	229	152	8
1913	256	36	6

It is apparent that there has been great improvement in the character of Olive Oil sold in Canada since the date of first inspection in 1889.

I beg to recommend publication of this report as Bulletin No. 256.

I have the honour to be, Sir,
Your obedient servant,

A. McGILL,
Chief Analyst.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Furnisher.	Inspector's Report. Is not an expression of opinion.)	Results of Analysis. Refractive Index at 15·5°C.	Results of Analysis. Iodine number.	Results of Analysis. Nitric Acid Colour test.	Results of Analysis. Halphen colour test.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
DISTRICT OF NOVA SCOTIA—R. J. WAUGH, INSPECTOR.														
1913.														
Jan. 14	Olive Oil.	46646	Nat. Drug Co., Halifax, N.S.	20 oz.	150	Unknown.....	Evans Sons, Lescher & Webb. Liverpool, Eng	.....	1·4707	.....	Green	.....	46646	Genuine.
" 17	"	46647	Wentzell's, Ltd., Halifax, N.S.	2 " ..	65	A. Gilbert & fils, France.	Mfrs.....	.....	1·4706	.....	"	.....	46647	"
" 17	"	46648	Bauld Bros., Ltd., Halifax, N.S.	2 " ..	69	Holbrook Co., London, Eng.	"	.....	1·4706	.....	"	.....	46642	"
" 17	"	46649	John Tobin & Co., Halifax, N.S.	2 " ..	40	Lazenby & Son, London, Eng.	"	.....	1·4706	.....	"	.....	46649	"
" 17	"	46650	R. B. Seeton & Co. Halifax, N.S.	2 " ..	60	Crosse & Blackwell, London, Eng.	"	.....	1·4704	.....	"	.....	46650	"
DISTRICT OF QUEBEC—F. X. W. E. BELAND, INSPECTOR.														
1912.														
Dec. 18	Olive Oil.	37287	A. Martineau, 734 Rue St. Valier, Quebec.	3 bots	75	Ulric Francoeur, Hillhurst, P.Q.	Lemieux Brunet & Cie.	.....	1·4708	.....	Green	...	37287	Genuine.
" 18	"	37288	Jos. Masson, 808 Rue St. Valier, Quebec.	3 " .	75	"	Mfr.....	.....	1·4709	.....	"	....	37288	"
" 18	"	37289	J. B. Geroux, 385 Rue St. Joseph, Quebec.	1 qt...	120	"	"	.....	1·4707	.....	"	....	37289	"
" 19	"	37290	W. Brunet & Cie, 139 Rue St. Joseph, Quebec.	3 bots	75	"	"	.....	1·4707	.....	"	.....	37290	"
" 19	"	37291	L. E. Martel, 51 Rue St. Joseph, Quebec.	1 qt...	90	Comp. Lacroix & Roger, Quebec.	"	.....	1·4705	.....	"	.....	37291	"

DISTRICT OF MONTREAL—J. J. COSTIGAN, INSPECTOR.

1913.															
Jan.	7	Olive Oil	51076	A. Poitrais, 17 Mount Royal Ave., E. Montreal.	3 bots	105	E. & A. Jonas, Kanart, France.			1·4704		Green		51076	Genuine.
"	7	"	51077	H. Gorson, 413 Colonial Ave. Montreal.	3 "	39		Jos. Edelberg, Montreal.		1·4737	112	Brown	Deep Red	51077	Adulterated
"	7	"	51078	Albert Smith, 20 Prince Arthur St. W., Montreal.	3 "	60	Holbrook & Co., Nice, France.			1·4704		Green		51078	Genuine.
"	7	"	51079	"	3 "	75	H. J. Heinze & Co.		Heinze Pure Olive Oil.	1·4706		"		51079	"
"	7	"	51080	C. Soloman, 20 Vitre St., West, Montreal.	3 "	75			Superfine Olive Oil. Made in Italy.	1·4704		"		51080	"

DISTRICT OF OTTAWA—J. A. RICKEY, INSPECTOR.

1912.															
Dec.	23	Oiive Oil	51667	Mundle & Percival Kemptville.	3 bots	30	E. Loubon, Nice	Unknown		1·4742	110	Brown	Deep Red	51667	Adulterated.
"	27	"	51668	La Pharmacie Moderne, Hull, P.Q.	24 oz.	120	Nat. Drug & Chem. Co., Ottawa.	Mfrs	"Olympia" Olive Oil. Warranted absolutely pure.	1·4704		Green		51668	Genuine.
"	30	"	51669	D. J. Stalker, Druggist, Ottawa	3 bots	105	"	"	"Na-Dru-Co." Olive Oil. Guaranteed absolutely pure.	1·4704		"		51669	"
"	31	"	51670	T. E. Macdonald, Somerset St., Ottawa.	3 "	75	H. J. Heinz, Pittsburg, Pa.	Mfr	"Heinz" pure Olive Oil.	1·4706		"		51670	"
1913.															
Jan.	2	"	51671	Calderone & Bossio, Bank St., Ottawa.	3 "	75	A. Calderone, 14 Via Mandria Termini Imerse Italy.	"		1·4698		"		51671	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.		Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
				Quantity.	Cents.	Manufacturer.	Furnisher.		Refractive Index at 15·5°C.	Iodine number.	Nitric Acid Colour test.	Halphen Colour test.		
DISTRICT OF TORONTO—H. J. DAGER, INSPECTOR.														
1912.														
Dec. 20	Olive Oil.. ...	51576	W. Stansfield, 379 Church St., Toronto.	3 bots	75	.....	B. U. Delaphma & Co., Toronto	Labelled sublime extra double clarification. A. Gaillard & fils, Marseille, France	1 4704	.....	Green	.....	51576	Genuine.
" 20	"	51577	The Carter Drug Co., 697 Queen St. West, Toronto.	3 "	30	.....	Bottled by Vendors.	Labelled Huile D'Olive surfine clarifee.	1 4708	.....	"	.....	51577	"
" 24	"	51578	A. G. T. Robinson, 898 Queen St., East, Toronto.	3 "	75	.....	W. G. Patrick & Co., Toronto.	Labelled Huile D'Olive Virge Doublement clarifee B. Fonga, Bordeaux, France	1 4706	..	"	..	51578	"
" 27	"	51579	J. H. Sloan, 528 Yonge St., Toronto.	1 pt.	50	.....	Drug Trading Co., Ltd., Toronto.	.....	1 4707	....	"	.....	51579	"
" 27	" ...	51580	W. H. Worden, 618 Yonge St., Toronto.	3 "	65	.....	Lyman Bros. & Co., Ltd., Toronto.	.....	1 4704	....	"	....	51580	"

DISTRICT OF VANCOUVER—J. F. POWER, INSPECTOR.

1913. Jan.	23	Olive Oil.....	38489	London Grocery Co., Fairview Branch, Vancouver, B.C.	3 bots	75	Crosse & Blackwell, London, Eng.	....	Guaranteed genuine Olive Oil from the District of Lucca.	1·4703	....	Green	....	38489	Genuine.
"	23	" ...	38490	Gruchy & Carlaw, 5th Ave. & Granville, Vancouver B.C.	3 "	75	John Vittucci, Italy.	J. Vittucci, Vancouver, B.C.	This Oil is made from selected ripe Olives and is guaranteed to be absolutely pure.	1·4704	....	"	....	38490	"
"	23	"	38491	Harrison's Drug Store, 7th Ave. & Granville Sts., Vancouver, B.C.	3 "	75	Unknown	Vendors.....	.....	1·4704	....	"	....	38491	"
"	23	"	38492	Broadway Pharmacy, Fairview, Vancouver, B.C.	3 "	75	Antoine Ginat....	H. Lyman & Sons, Montreal	Guaranteed pure Olive Oil.	1·4704	....	"	....	38492	"
"	23	"	38493	Burns & Cairns, Vanco'er Block, Vancouver, B.C.	3 "	105	Tessier Freres, Salon, France.	J. A. Teeporten, Vancouver, B.C.	Guaranteed pure...	1·4703	....	"	....	38493	"

DISTRICT OF VICTORIA—D. O'SULLIVAN, INSPECTOR.

Jan.	13	Olive Oil.....	49282	Windsor Grocery Co., 81[illegible] St., Victoria, B.C.	1 pt...	50	American Olive Co., Los Angelus, Cal.	.....	American pure Olive Oil.	1·4705	....	Green	....	49282	Genuine.
"	13	"	49285	The West End Grocery Co., Ltd., 1002 Govt. St., Victoria, B.C.	1 "	75	.....	John Vittucci & Co., Vancouver & Seattle.	"Map of Italy" Brand.	1·4704	....	"	....	49285	"
"	14	"	49288	Dixi H. Ross [illegible], 1317 Govt. St., Victoria, B.C.	2½ "	130	J. C. Kubias, Redlands, Cal.	.....	"Bohemian Club" Brand.	1·4709	....	"	....	49288	"
"	14	" ...	49289	"	1 "	125	Cresca Co., Bordeaux, France.	.....	"Pinard" Brand Olive Oil.	1·4704	....	"	....	49289	"
"	14	"	49292	Harrison & McDonald, 1218 Douglas St., Victoria, B.C.	3 bots	[illegible]	[illegible] G. Patrick & Co., Vancouver, B.C.	.....	.....	1·4705	....	"	....	49292	"
"	14	"	49293	"	1 pt...	50	L. Noel & Sons, Ltd., London, Eng.	.....	Finest Lucca Oil..	1·4704	....	"	....	49293	"